PREETHI CAD CONSULTING ENGINEERS PVT. LTD.

PROJECT CONSULTANT

		Trail 1				JOBMIX
Sl no	Sieve Size (mm)	Weight retained (gm)	Cummulative weight retained	% Cummulative retained	% passing	Gradation
1	37.5	0	0	0	100	100
2	26.5	46.4	46.4	9.7	90.3	90-100
3	19	58.3	104.7	22.0	78.0	71-95
4	13.2	31.68	136.38	28.7	71.3	56-80
5	4.75	119.2	255.58	53.7	46.3	38-54
6	2.360	67.2	322.78	67.8	32.2	28-42
7	0.300	82.29	405.07	85.1	14.9	7-21
8	0.075	63.1	468.17	98.4	1.6	2-8

		Trail 2				JOBMIX
Sl no	Sieve Size (mm)	Wt retained (gm)	Cummulative Weight retained (gm)	% Cummulativeretained	% passing	Gradation
1	37.5	0	0	0	100	100
2	26.5	36.7	36.7	7.7	92.3	90-100
3	19	75.3	112	23.5	76.5	71-95
4	13.2	63.42	175.42	36.8	63.2	56-80
5	4.75	69.11	244.53	51.3	48.7	38-54
6	2.36	72.52	317.05	66.5	33.5	28-42
7	0.300	81.23	398.28	83.5	16.5	7-21
8	0.075	64.8	463.08	97.1	2.9	2-8

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Note:-

- The report shall not be reproduced, except in full, without the written approval of the laboratory.
- The results indicated above are based on the tests carried out on the sample received in the laboratory by the agency/ contractor.
- The results relate only to the items tested.
- Any query regarding the report must be reported immediately

PREETHI CAD CONSULTING ENGINEERS PVT. LTD. BANGALORE

48/43, 6th Main Road, JnanajyothiNagaraFax : 080 - 23340685, Cell : 98442 66050E-mail : preethicad99@gmail.com
, JnanaBharathi, Bangalore – 560 056. Tel: 080-23240109,

Scanned by TapScanner

PREETHI CAD CONSULTING ENGINEERS PVT. LTD.

PROJECT CONSULTANT

TEST REPORT

Gradation of Dence Bituminous Macadam

[MORT&H V Revision]

Project Name:	Improvements, Restoration to roads and drains at Dasarahalli, Saraipalya and Rachenahalli Surrounding Areas in ward no. 06	**Sl. No.: 01**	
Client:	Executive Engineer, project division, yelahanka zone.		
Contractor:	SRI.PUTTA SWAMY GOWDA		
Sample Supplied by:	Agency / Contractor / Hot mix plant	**Date:**	**10/06/2022**
Material :	Dence Bituminous Macadam (WMM)		

BITUMEN CONTENT DETERMINATION :

Description	Trail 1	Trail 2
Weight of Mixture before Test , g	500	500
Weight of Mixture after test , g	476	477
Weight of Asphalt and Mineral matter Extracted , g	-	-
Weight of Mineral Matter , g	-	-
Weight of Ash , g		
Weight of Bitumen Extracted, g (corrected)	24	23.00
Bitumen content in %	4.80	4.60
Average	**4.70**	

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

GRADIATION AFTER EXTRACTION :

48/43, 6th Main Road, JnanajyothiNagaraFax : 080 - 23340685, Cell : 98442 66050E-mail : preethicad99@gmail.com
, JnanaBharathi, Bangalore – 560 056. Tel: 080-23240109,

Scanned by TapScanner

PREETHI CAD CONSULTING ENGINEERS PVT. LTD.

PROJECT CONSULTANT

		Trail 1				JOBMIX
Sl no	Sieve Size (mm)	Weight retained (gm)	Cummulative weight retained	% Cummulative retained	% passing	Gradation
1	37.5	0	0	0	100	100
2	26.5	42.3	42.3	8.9	91.1	90-100
3	19	56.1	98.4	20.7	79.3	71-95
4	13.2	32.41	130.81	27.5	72.5	56-80
5	4.75	116.2	247.01	51.9	48.1	38-54
6	2.360	62.3	309.41	65.0	35.0	28-42
7	0.300	84.35	393.76	82.7	17.3	7-21
8	0.075	62.8	456.56	95.9	4.1	2-8

		Trail 2				JOBMIX
Sl no	Sieve Size (mm)	Wt retained (gm)	Cummulative Weight retained (gm)	% Cummulativeretained	% passing	Gradation
1	37.5	0	0	0	100	100
2	26.5	35.1	35.1	7.4	92.6	90-100
3	19	73.1	108.2	22.7	77.3	71-95
4	13.2	65.23	173.43	36.4	63.6	56-80
5	4.75	62.14	235.57	49.4	50.6	38-54
6	2.36	75.43	311	65.2	34.8	28-42
7	0.300	82.14	393.14	82.4	17.6	7-21
8	0.075	62.3	455.44	95.5	4.5	2-8

Note:-

- The report shall not be reproduced, except in full, without the written approval of the laboratory.
- The results indicated above are based on the tests carried out on the sample received in the laboratory by the agency/ contractor.
- The results relate only to the items tested.
- Any query regarding the report must be reported immediately

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

PREETHI CAD CONSULTING ENGINEERS PVT. LTD. BANGALORE

48/43, 6th Main Road, JnanajyothiNagaraFax : 080 - 23340685, Cell : 98442 66050E-mail : preethicad99@gmail.com
, JnanaBharathi, Bangalore – 560 056. Tel: 080-23240109,

Scanned by TapScanner

PREETHI CAD CONSULTING ENGINEERS PVT. LTD.
PROJECT CONSULTANT

DETERMINATION OF TACK COAT (SPREAD RATE)

TEST REPORT

Project Name:	Improvements, Restoration to roads and drains at Dasarahalli, Saraipalya and Rachenahalli Surrounding Areas in ward no. 06	Sl. No.: 01	
Client:	Executive Engineer, project division, yelahanka zone.		
Contractor:	SRI.PUTTA SWAMY GOWDA		
Sample Supplied by:	Agency/Contractor	Date:	11/06/2022
Material:	Bituminous Concrete		

The testresults conducted on the bitumen content determination are as follows:

Determination	Unit	Test No	
		1	2
Size of plate (mm)	Mt	0.45 X 0.45	0.45 X 0.45
Area of plate (a)	Sq.m	0.2025	0.2025
IntialWt of empty plate (b)	Kg	1.628	1.63
Final weight of plate after application of prime/tack coat (c)	Kg	1.689	1.683

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

48/43, 6th Main Road, Jnanajyothi Nagar, JnanaBharathi, Bangalore – 560 056.
Tel/Fax :080 – 23240109, Cell : 98442 66050E-mail: [illegible]@gmail.com

Scanned by TapScanner

Weght of prime / tack coat (d=c-b)	Kg	0.0610	0.0530
Rate of spread of prime /tack coat	Kg/Sq.m	0.301	0.262
Average	Kg/Sq.m	0.281	
Specified limit	**Kg/Sq.m**	**0.25Kg/Sq.m**	

Note :-

- The report shall not be reproduced, except in full, without the written approval of the laboratory.
- The results indicated above are based on the tests carried out on the sample received in the laboratory by the agency/ contractor.
- The results relate only to the items tested.
- Any query regarding the report must be reported immediately.

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

PREETHI CAD CONSULTING ENGINEERS PVT. LTD. BANGALORE

48/43, 6th Main Road, Jnanajyothi Nagar, JnanaBharathi, Bangalore – 560 056.
TelFax :080 – 23240109, Cell : 98442 66050E-mail : bvhhydelpvtltd@gmail.com

Scanned by TapScanner

PREETHI CAD CONSULTING ENGINEERS PVT. LTD.

PROJECT CONSULTANT

TEST REPORT

BITUMEN CONTENT &GRADATION

Project Name:	Improvements, Restoration to roads and drains at Dasarahalli, Saraipalya and Rachenahalli Surrounding Areas in ward no. 06	Sl. No.: 01	
Client:	Executive Engineer, project division, yelahanka zone.		
Contractor:	SRI.PUTTA SWAMY GOWDA		
Sample Supplied by:	Agency/Contractor	Date:	11/06/2022
Material:	Bituminous Concrete		

The testresults conducted on the bitumen content determination are as follows:

sl no	Details	Trail No		Average	Standard Requirements as per Morth V Revision For Bitumuin
		1	2		
1	Weight of Mixture before Test, gm	500	500	5.8	For Grade 2 Bitumen Content 5.8 min
2	Weight of Mixture after Test, gm	470	472		
3	Weight of Asphalt and Mineral matter Extracted, gm	30	28		
4	Weight of Mineral Matter, gm	-	-		
5	Weight of Ash, gm	-	-		
6	Weight of Bitumen Extracted, gm (corrected)	30	28		
7	Bitumen content in %	6.0	5.6		

Note:-

- The report shall not be reproduced, except in full, without the written approval of the laboratory.
- The results indicated above are based on the tests carried out on the sample received in the laboratory by the agency/ contractor.
- The results relate only to the items tested.
- Any query regarding the report must be reported immediately.

PREETHI CAD CONSULTING ENGINEERS PVT. LTD. BANGALORE

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

48/43, 6th Main Road, JnanajyothiNagaraFax : 080 - 23340685, Cell: 98452 66050E-mail : preethicad99@gmail.com
, JnanaBharathi, Bangalore – 560 056. Tel : 080-23240685

Scanned by TapScanner

PREETHI CAD CONSULTING ENGINEERS PVT. LTD.

PROJECT CONSULTANT

TEST REPORT

GRADATION AFTER EXTRACTION

Project Name:	Improvements, Restoration to roads and drains at Dasarahalli, Saraipalya and Rachenahalli Surrounding Areas in ward no. 06	Sl. No.: 02	
Client:	Executive Engineer, project division, yelahanka zone.		
Contractor:	SRI.PUTTA SWAMY GOWDA		
Sample Supplied by:	Agency/Contractor	Date:	11/06/2022
Material:	Bituminous Concrete		

sl no	Sieve Size	Percentage Passing(%)		Standard Requirements as per Morth500.10
		Sample 1	Sample 2	
1	37.5	100	100	100
2	26.5	97.5	95.8	90-100
3	19	86.5	85.1	71-95
4	13.2	58.5	59.9	56-80
5	4.75	49.9	48.2	38-54
6	2.36	31.8	32.6	28-42
7	0.3	18.9	15.8	7-21
8	0.075	5.8	4.3	2-8

Note:-

- The report shall not be reproduced, except in full, without the written approval of the laboratory.
- The results indicated above are based on the tests carried out on the sample received in the laboratory by the agency/ contractor.
- The results relate only to the items tested.
- Any query regarding the report must be reported immediately.

PREETHI CAD CONSULTING ENGINEERS PVT. LTD. BANGALORE

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

48/43, 6th Main Road, JnanajyothiNagaraFax : 080 - 23340685, Cell : 98442 66050E-mail : preethicad99@gmail.com
, JnanaBharathi, Bangalore – 560 056. Tel: 080-23240109,

Scanned by TapScanner